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WATER AND SEWER BOND SALES IN THE UNITED STATES

Public Health Service
Washington, D. C.

1963

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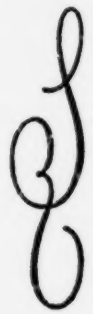
January-December 1963



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U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service

13

WATER AND SEWER

BOND SALES IN THE UNITED STATES

January - December 1963

U.S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE

Public Health Service

Division of Water Supply and Pollution Control
Basic Data Branch
Washington, D.C. 20201

I

Other Publications in the Series

Water and Sewer Bond Sales in the United States, 1962
Public Health Service Publication No. 965

Water and Sewer Bond Sales in the United States, 1961
Public Health Service Publication No. 965

Water and Sewer Bond Sales in the United States, 1960
Public Health Service Publication No. 837

Water and Sewage Bond Sales in the United States
January–December 1959
Public Health Service (Unnumbered Publication)

Water and Sewage Bond Sales in the United States
July 1956–June 1959
Public Health Service (Unnumbered Publication)

PUBLIC HEALTH SERVICE PUBLICATION No. 965
1963 Edition

CONTENTS

	Page
Introduction	1
Total Bond Sales by Year (1957–1963)	2
Bond Sales (January–December 1963)	
Number and Dollar Value of Issues·	
By Month	2
By Issuing Authority	3
By Dollar Size of Issue	3
By State	4
By Type of Issue	5
By Net Interest Cost Ranges:	
General Obligation Bonds	6
Revenue Bonds	7
Net Interest Cost (Weighted Average):	
By Month	8
By Moody Rating	8
By Dollar Size of the Issue	9
By Issuing Authority	9

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INTRODUCTION

This annual report of Water and Sewer Bond Sales in the United States contains data which are basic and necessary to the orderly and efficient management of water supply and pollution control programs. It reflects, in a measure, the extent of financing to fulfill these two important public services in a growing nation. The report also provides a ready source of economic reference for financial, investment and banking interests; for the building and contracting trades and professions; and for authorities responsible for providing public water supplies and sewerage systems. The publication series, over the years, is a good indicator of interest rate and construction cost trends in these two types of public utility.

The tables supplement the annual publication of contract award data, last reported in *Sewage and Water Works Construction 1963*. (PHS Publication No. 758.) Similar tables which describe bonds sold between July 1956 and December 1962 are available. The basic information from which these tables were developed was obtained from the Investment Bankers Association by special arrangement. It is believed these tables present information not otherwise readily available.

Data are presented in three categories according to the use of the proceeds from the sale: (1) WATER when the bonds have been sold to finance water facilities; (2) SEWER, to finance sewage facilities; and (3) COMBINATION, to finance jointly water and sewage facilities where the portions attributable to each type are not designated. Data describing bonds sold to finance other types of construction in combination with water and/or sewage facilities construction are excluded. Data describing bonds sold to finance storm sewers are omitted, although these data are available.

It should also be noted that these data describe only those sales reported to the Investment Bankers Association or assembled by that Association from available documents. Locally negotiated sales that may not be reported in bond publications or by State agencies responsible for controlling municipal bond sales are not included. Thus, these tabulations need to be considered as meaning "at least this much." By dollar value of sales, coverage is believed to be nearly complete.

Net interest cost figures shown on pages 8–9 are presented by month, by Moody rating, by dollar size of the bond issue, and by issuing authority. The figures listed are weighted averages, data being weighted by dollar amount of the issues. Similar tabulations are available for the years 1959 through 1962.

Water and sewer bond sales for 1963 totaled $1,319 million which was a slight increase over 1962. Bonds for financing water facilities accounted for $614 million, while those for building sewage treatment facilities and laying collecting sewers amounted to $524 million. In addition, bonds totaling $182 million were intended for use in combination projects for both water and sewerage construction. California again had the largest dollar volume as well as number of issues. Arkansas and Hawaii reported no sales. Neither did Puerto Rico nor the District of Columbia.

TOTAL BOND SALES

1957–1963

(Million Dollars)

BY YEAR

Year	Total		Water		Sewers		Combination	
	Number	Dollars	Number	Dollars	Number	Dollars	Number	Dollars
1957	1,414	1,009	573	483	674	408	167	118
1958	1,492	1,045	610	405	715	526	167	114
1959	1,312	1,073	531	530	608	433	173	110
1960	1,382	1,003	587	499	614	389	181	115
1961	1,442	1,226	563	545	709	570	170	111
1962	1,240	1,119	495	418	606	594	139	107
1963	1,533	1,319	559	613	732	524	242	182

BOND SALES

January–December, 1963

(Thousand Dollars)

BY MONTH

Month	Total		Water		Sewers		Combination	
	Number	Dollars	Number	Dollars	Number	Dollars	Number	Dollars
January	106	119,654	43	53,892	49	59,852	14	5,910
February	95	80,592	38	33,650	41	29,064	16	17,878
March	115	126,553	36	60,902	62	48,592	17	17,059
April	144	125,388	48	45,087	72	63,342	24	16,959
May	119	192,707	45	139,070	53	29,677	21	23,960
June	184	131,119	62	46,063	94	70,684	28	14,372
July	163	91,556	61	30,910	79	35,504	23	25,142
August	117	81,370	43	43,424	56	24,871	18	13,075
September	110	57,708	39	14,265	56	35,981	15	7,462
October	133	110,945	47	47,040	62	56,188	24	7,717
November	129	127,085	50	63,203	56	46,635	23	17,247
December	118	74,677	47	36,039	52	23,829	19	14,809
Total	1,533	1,319,354	559	613,545	732	524,219	242	181,590

BOND SALES

January–December, 1963

(Thousand Dollars)

BY ISSUING AUTHORITY

Issuing authority	Total		Water		Sewers		Combination	
	Number	Dollars	Number	Dollars	Number	Dollars	Number	Dollars
State	6	28, 510	2	10, 910	4	17, 600	--------	--------
County	32	46, 427	6	4, 528	19	34, 750	7	7, 149
Municipality	1, 094	751, 051	397	297, 775	495	309, 568	202	143, 708
Township	35	18, 169	16	7, 769	16	9, 978	3	422
Special District	246	237, 766	113	137, 857	119	94, 123	14	5, 786
Statutory Authority	120	237, 431	25	154, 706	79	58, 200	16	24, 525
Total	1, 533	1, 319, 354	559	613, 545	732	524, 219	242	181, 590

BY DOLLAR SIZE OF ISSUE

Dollar size of bond issue	Total		Water		Sewers		Combination	
	Number	Dollars	Number	Dollars	Number	Dollars	Number	Dollars
Under 50,000	171	4, 943	88	2, 520	68	1, 907	15	516
50,000–100,000	211	14, 894	81	5, 436	108	7, 911	22	1, 547
100,000–200,000	285	39, 256	102	13, 828	137	18, 950	46	6, 478
200,000–500,000	360	108, 325	114	33, 663	172	52, 619	74	22, 043
500,000–1,000,000	212	143, 042	57	38, 604	115	77, 826	40	26, 612
1,000,000–2,000,000	150	206, 930	52	72, 688	74	100, 212	24	34, 030
2,000,000–5,000,000	91	276, 694	41	130, 456	38	111, 059	12	35, 179
5,000,000–10,000,000	38	244, 515	13	85, 895	16	103, 435	9	55, 185
Over 10,000,000	15	280, 755	11	230, 455	4	50, 300	--------	--------
Total	1, 533	1, 319, 354	559	613, 545	732	524, 219	242	181, 590

BOND SALES

January–December, 1963

(Thousand Dollars)

BY STATE

State	Total		Water		Sewers		Combination	
	Number	Dollars	Number	Dollars	Number	Dollars	Number	Dollars
Alabama	13	13, 117	3	7, 172			10	5, 945
Alaska	5	3, 340	3	2, 455	2	885		
Arizona	8	17, 175	5	12, 575	2	2, 600	1	2, 000
Arkansas								
California	107	280, 774	73	260, 865	32	19, 322	2	587
Colorado	28	31, 311	11	19, 890	9	9, 860	8	1, 561
Connecticut	12	12, 518	3	2, 480	9	10, 038		
District of Columbia								
Delaware	13	3, 375	2	650	10	2, 200	1	525
Florida	25	36, 170	4	5, 865	10	9, 030	11	21, 275
Georgia	17	26, 150	3	5, 300	2	1, 996	12	18, 854
Hawaii								
Idaho	6	937	3	318	2	289	1	330
Illinois	87	29, 857	26	3, 642	42	12, 736	19	13, 479
Indiana	34	20, 143	12	3, 827	22	16, 316		
Iowa	28	5, 710	5	750	23	4, 960		
Kansas	24	9, 444	11	6, 334	13	3, 110		
Kentucky	49	17, 952	10	3, 342	16	4, 521	23	10, 089
Louisiana	42	22, 269	10	1, 992	28	17, 200	4	3, 077
Maine	6	2, 712	2	1, 050	4	1, 662		
Maryland	17	42, 135	3	13, 500	10	19, 410	4	9, 225
Massachusetts	94	42, 489	50	14, 368	44	28, 121		
Michigan	129	65, 914	48	28, 569	69	34, 918	12	2, 427
Minnesota	48	26, 171	14	11, 154	25	9, 964	9	5, 053
Mississippi	25	11, 291	11	5, 425	3	1, 471	11	4, 395
Missouri	22	31, 369	7	5, 093	9	24, 575	6	1, 701
Montana	7	1, 706	3	326	4	1, 380		
Nebraska	6	3, 057	2	1, 627	4	1, 430		
Nevada	6	14, 660	2	7, 680	4	6, 980		
North Carolina	55	31, 378	24	17, 174	29	13, 919	2	485
North Dakota	2	105	2	105				
New Hampshire	7	3, 805	3	575	4	3, 230		
New Jersey	39	23, 273	15	4, 767	21	15, 127	3	3, 379
New Mexico	5	12, 782	2	5, 250	2	3, 600	1	3, 932
New York	87	95, 644	49	59, 924	36	34, 379	2	1, 341
Ohio	81	44, 927	17	7, 645	58	35, 379	6	1, 903
Oklahoma	48	26, 270	22	14, 762	23	10, 468	3	1, 040
Oregon	29	10, 720	9	1, 700	20	9, 020		
Pennsylvania	92	96, 010	9	16, 284	80	75, 246	3	4, 480
Puerto Rico								
Rhode Island	6	3, 430	3	2, 630	3	800		
South Carolina	14	11, 022	4	4, 927	1	210	9	5, 885
South Dakota	8	1, 286	3	1, 021	5	265		
Tennessee	17	9, 826	4	2, 150	3	3, 450	10	4, 226
Texas	102	65, 619	26	14, 960	17	3, 055	59	47, 604
Utah	5	2, 890	4	2, 840	1	50		
Vermont	9	2, 810	2	100	7	2, 710		
Virginia	7	15, 705	3	3, 475	3	11, 865	1	365
Washington	27	47, 262	14	8, 040	6	34, 320	7	4, 902
West Virginia	6	2, 766	4	1, 241			2	1, 525
Wisconsin	24	34, 679	10	12, 567	14	22, 112		
Wyoming	5	5, 199	4	5, 159	1	40		
Total	1, 533	1, 319, 354	559	613, 545	732	524, 219	242	181, 590

BOND SALES

January–December 1963

BY TYPE OF ISSUE

(Thousand Dollars)

Type of issue	Total		Water		Sewer		Combination	
	Number	Dollars	Number	Dollars	Number	Dollars	Number	Dollars
General Obligation Bonds								
Unlimited Tax	835	661,478	344	309,563	437	325,236	54	26,679
Unlimited Tax Secured By:								
Utility Revenue	17	16,558	8	8,660	5	2,005	4	5,893
Special Assessment	63	11,892	14	1,282	44	8,305	5	2,305
Limited Tax	41	37,162	14	16,437	21	19,086	6	1,639
Limited Tax Secured By:								
Utility Revenue	2	4,300	----	----	2	4,300	----	----
Special Assessments	57	12,726	12	1,102	42	10,610	3	1,014
Revenue Bonds								
Utility Revenue	512	570,107	167	276,501	177	153,351	168	140,255
Rental Revenue	2	3,805	----	----	----	----	2	3,805
Utility Revenue Secured by Special Tax Revenue	4	1,326	----	----	4	1,326	----	----
Total	1,533	1,319,354	559	613,545	732	524,219	242	181,590

GENERAL OBLIGATION BOND SALES

January–December 1963

BY NET INTEREST COST RANGES

(Thousand Dollars)

Net interest cost range midpoint (percent)	Total		Water		Sewer		Combination	
	Number	Dollars	Number	Dollars	Number	Dollars	Number	Dollars
1.500								
1.750								
2.000	3	185	1	25	2	160		
2.250	14	2,847	6	722	6	1,375	2	750
2.500	35	26,161	17	2,733	17	22,178	1	1,250
2.750	114	93,279	39	51,046	74	41,785	1	448
3.000	209	231,183	71	87,519	130	141,474	8	2,190
3.250	172	149,650	77	81,897	84	54,685	11	13,068
3.500	107	118,733	43	61,048	58	52,567	6	5,118
3.750	81	58,942	29	27,018	44	24,282	8	7,642
4.000	47	12,400	22	6,982	16	3,868	9	1,550
4.250	15	3,985	7	2,340	7	1,145	1	500
4.500	7	1,362	6	907	1	455		
4.750	3	3,620	1	1,750	2	1,870		
5.000	1	120					1	120
5.250	1	31			1	31		
5.500	1	300			1	300		
5.750								
6.000								
6.250								
6.500								
6.750								
7.000								
N.I.C. Unknown	205	41,318	73	13,057	108	23,367	24	4,894
Total	1,015	744,116	392	337,044	551	369,542	72	37,530

REVENUE BOND SALES

January–December, 1963

BY NET INTEREST COST RANGES

(Thousand Dollars)

Net interest cost range midpoint (percent)	Total		Water		Sewers		Combination	
	Number	Dollars	Number	Dollars	Number	Dollars	Number	Dollars
1. 500								
1. 750								
2. 000								
2. 250	1	150	1	150				
2. 500	1	2, 750	1	2, 750				
2. 750	2	448	2	448				
3. 000	23	34, 235	11	12, 546	3	3, 610	9	18, 079
3. 250	41	98, 246	20	64, 441	7	16, 708	14	17, 097
3. 500	82	225, 566	31	154, 748	20	33, 168	31	37, 650
3. 750	102	94, 402	25	23, 173	49	47, 202	28	24, 027
4. 000	41	39, 354	7	4, 785	18	14, 107	16	20, 462
4. 250	29	11, 728	5	856	17	6, 197	7	4, 675
4. 500	7	1, 395	4	488	2	825	1	82
4. 750	5	1, 692	2	965	1	192	2	535
5. 000	5	575	4	455			1	120
5. 250								
5. 500								
5. 750								
6. 000								
6. 250								
6. 500								
6. 750								
7. 000								
N.I.C. Unknown	179	64, 697	54	10, 696	64	32, 668	61	21, 333
Total	518	575, 238	167	276, 501	181	154, 677	170	144, 060

BOND SALES

NET INTEREST COST

January–December, 1963

(Percent)

BY MONTH

Month	Total		Water		Sewer	
	General obligation	Revenue	General obligation	Revenue	General obligation	Revenue
January	3.02	3.38	3.12	3.20	2.91	3.51
February	3.30	3.55	3.36	3.57	3.19	3.39
March	2.94	3.45	2.91	3.18	2.94	3.88
April	3.04	3.47	2.96	3.27	3.06	3.69
May	3.12	3.54	3.22	3.56	3.06	3.75
June	3.31	3.61	3.47	3.52	3.23	3.58
July	3.16	3.37	3.26	3.41	3.12	3.72
August	3.33	3.39	3.27	3.33	3.42	3.50
September	3.35	3.70	3.62	3.54	3.22	3.73
October	3.12	3.44	3.22	3.27	3.00	3.54
November	3.38	3.87	3.33	3.73	3.37	3.99
December	3.38	3.84	3.45	3.83	3.17	3.91

BY MOODY RATING

Moody rating	Total		Water		Sewer	
	General obligation	Revenue	General obligation	Revenue	General obligation	Revenue
AAA	3.18	----------	----------	----------	3.18	----------
AA	2.78	3.16	2.70	3.18	2.86	----------
A	3.07	3.49	3.08	----------	3.02	----------
BAA	3.15	3.76	3.15	3.72	3.11	3.92
Unknown	3.22	3.53	3.27	3.47	3.14	3.65

BOND SALES

NET INTEREST COST

January–December, 1963

(Percent)

BY DOLLAR SIZE OF ISSUE

Dollar size of bond issue	Total		Water		Sewer	
	General obligation	Revenue	General obligation	Revenue	General obligation	Revenue
Under 50,000	3.20	3.40	3.16	3.75	3.21	3.51
50,000–100,000	3.24	4.01	3.21	4.04	3.22	4.27
100,000–200,000	3.30	3.80	3.30	3.80	3.23	3.82
200,000–500,000	3.24	3.75	3.27	3.62	3.23	3.86
500,000–1,000,000	3.19	3.69	3.30	3.62	3.12	3.80
1,000,000–2,000,000	3.22	3.59	3.34	3.46	3.14	3.76
2,000,000–5,000,000	3.17	3.52	3.18	3.39	3.17	3.57
5,000,000–10,000,000	3.08	3.41	3.29	3.35	2.85	3.59
Over 10,000,000	3.17	3.49	3.12	3.51	3.33	3.36

BY ISSUING AUTHORITY

Issuing Authority	Total		Water		Sewer	
	General obligation	Revenue	General obligation	Revenue	General obligation	Revenue
State	2.93	----------	2.94	----------	2.92	----------
County	3.09	3.50	3.42	3.65	3.04	3.79
Municipality	3.10	3.46	3.09	3.33	3.09	3.55
Township	3.29	3.79	3.37	3.70	3.21	3.84
Special District	3.37	3.45	3.44	3.26	3.27	3.73
Statutory Authority	3.38	3.64	3.06	3.57	3.33	3.83

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